

In the Claims

This listing of claims will replace all prior versions and listings of claims in this application.

1-26 (cancelled).

27 (currently amended). A multi-analyte assay for determining a presence or absence of analytes in a blood, tissue or urine serum sample, wherein the analytes are ~~selected from the group consisting of antibodies and antigens~~, wherein said assay comprises the following steps:

- (a) contacting a blood, tissue or urine serum sample with a plurality of homologous and/or orthologous antigen capture reagents ~~that are homologs and/or orthologs of each other~~;
- (b) measuring the reactivity of the sample with each capture reagent;
- (c) identifying the least reactive capture reagent as a negative control ~~and~~; and
- (d) comparing the measured reaction of the sample ~~with~~ toward the capture reagents to the measured reaction of the sample with the sample-specific negative control as determined in step (c) in order to determine the presence or absence of the analytes in the sample.

29 (canceled).

30 (currently amended). The assay, according to claim 27, wherein the capture reagents are ~~are~~ [[is]] attached to a solid support selected from the group consisting of beads, wells, membranes and microarrays.

31 (new). The assay, according to claim 27, wherein the capture reagents are human leukocyte antigens (HLAs).

32 (new). The assay, according to claim 31, wherein at least one of the capture reagents is a non-human leukocyte antigen.

33 (new). The assay, according to claim 31, wherein at least one of the capture reagents is a non-primate leukocyte antigen.